



2023-24 AAS Nuclear Technology Non-Licensed Operator PM cohort

Course Sequencing		
Year	Quarter	Subject
First Year	Fall	NT 111 (Basic Nuclear Math & Physics) NT 131 (Nuclear Facility Components), MATH& 141 (Precalculus 1)
	Winter	NT 121 (Reactor Plant Operations) OR 122 (Basic Nuclear Facilities) ELT 124 (Direct Current Circuits) ENGL& 101 (English Comp 1)
	Spring	NT 141 (Basic Reactor Safety, Theory, & Operations) OR 142 (Basic Nuclear Safety & Environmental Compliance) CHEM& 140 (General Chemistry Pre w/ Lab) OR CHEM& 161 (General Chemistry I W/ Lab) RPT 111 (Radiation Fundamentals)
	Summer	PHYS& 110 (Physics for Non-Science Majors w/ Lab) CMST& 101 (Intro to Communication Studies), &210 (Interpersonal Comm), &220 (Public Speaking) OR 260 (Multicultural Comm) ***Nuclear Technology Non-Licensed Nuclear Operator One-Year Certificate earned upon successful completion of the courses above PSYC& 100 (General Psychology) OR SOC& 101 (Intro to Sociology)
Second Year	Fall	NOP 111 (Hydraulic & Fluid Flows) NOP 231 (Advanced Facility Components) NT 170 (Mechanical & Fluid Power Transmission) NT 150 (Internship Seminar)
	Winter	IC 250 (Instrumentation & Control for Operators) NOP 241 (Chemical & Water Treatment Systems) NOP 221 (Advanced Operational Systems)
	Spring	IC 260 (Process Instrumentation) NT 160 (Nuclear Chemistry) NT 152 (Internship) OR 154 Industry Project NOP 251 (Advanced Thermodynamics & Heat Transfer) ***AAS earned upon successful completion of this quarter

The plan above is only a sample. If you want to see all of the courses we offer, please visit our online catalog [here!](#)

BEFORE YOU START

Ready to get started? To begin working towards the certificate or the AAS degree, you simply need to apply and be accepted to CBC. You can apply online at www.columbiabasin.edu.

Academic Prerequisites:

There is no room for error in the nuclear industry. These exacting standards are transferred to the education and training programs by requiring high-level competencies in math, reading and English. To be considered for CBC's Nuclear Technology program, the following placement testing results are recommended:

- College-level reading
- [ENGL&101](#): English Composition
- [MATH&141](#): Pre-Calculus 1

Qualified applications will be evaluated for acceptance each fall. Final selection of students are made after all transcript screenings and evaluations are complete.

ABOUT THE PROGRAM

The Nuclear Technology program at CBC will help you build the STEM knowledge and related workplace skills for a career in the nuclear industry. During your studies in the Nuclear Technology program, you will learn about

- nuclear power plant operating and processing facilities
- nuclear waste disposal
- laboratories
- radiation protection
- electrical operations

Students working toward the AAS degree earn a one-year certificate in Nuclear Technology upon successful completion of their first-year requirements. In addition to the degree, graduates who qualify may also earn the industry recognized National Academy for Nuclear Training (NANT) Certificate.

CBC works closely with the nuclear industry, both locally and nationally. As one of 25 Nuclear Uniform Curriculum Programs (NUCP) in the U.S., CBC and Energy Northwest partner to ensure that the CBC Nuclear Technology program is aligned with the needs of the nuclear power industry. This includes ensuring the program offerings are consistent with the established standards for accredited utility training programs so that all graduates have the same basic knowledge necessary to be successful power plant workers.

OUT OF CLASS TO DO'S

- Contact your instructors and/or the CBC Career Services Center to find an internship, observation/shadowing experience, or a job in the nuclear technology field.
- Visit the Academic Success Center for quiet study space, small group study, supplemental instruction and tutoring assistance.

CAREER OPPORTUNITIES

In addition to pursuing a career as a Non-Licensed Operator/ Nuclear Technologist, graduates will also have the transferrable skills that allow them to build a career in vital industries such as energy generation (wind, hydro, gas and oil), process operations and manufacturing.

FAQs

Class Times/Delivery Format

Classes are offered in a variety of formats, including in-person, online and hybrid.

Length of Program

Full-time students can complete the AAS degree in two years.

Which Quarter Can I Begin?

The program accepts new students every fall.

APPLY FOR FINANCIAL AID OR OTHER FUNDING

Please complete:

The FAFSA application: The Free Application for Federal Student Aid (FAFSA) provides financial aid for U.S. citizens and eligible non-citizens, such as permanent residents. Visit the [FAFSA website](#) to create your FSA ID and to complete your application.

OR

The WASFA application: The Washington Application for State Financial Aid (WASFA) is for DACA or HB 1079 undocumented students. Visit the [Washington Student Achievement Council website](#) to complete your WASFA application.

You can also apply for the [Washington State Opportunity Scholarship!](#)

Did you know??? You can apply for CBC scholarships two times every year! Click [here](#) for more information!

PLEASE NOTE: This document represents a sample plan for degree completion with this program of study. Actual course selection and sequence may vary and should be discussed individually with your Completion Coach. Completion Coaches can also help you plan other experiences to enrich your education such as internships, research, learning communities, and campus involvement and community-based learning.

Office Hours: Monday to Thursday 7 am to 4:30 pm; Friday 7 am to noon

LEARN MORE



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